ABSTRACT

A novel process for producing a 2halogenobenzamide compound useful as a raw material or
active ingredient for medicines and agricultural
chemicals. The process, which is for producing a 2halogenobenzamide compound represented by the general
formula (I):

$$Y^{1} \longrightarrow X \longrightarrow X^{1} \times X^{2} \times X^{2} \times X^{5} \times X^{5} \times X^{2} \times X^{5} \times X^{6} \times$$

(wherein R^1 , R^2 , R^3 , R^4 , and R^6 may be the same or different and each represents hydrogen or C_{1-6} alkyl; R^5 represents C_{1-6} alkyl; k is 1 or 2; Y^1 , Y^2 , Y^3 , and Y^4 may be the same or different and each represents hydrogen, halogeno, etc.; and X represents chlorine, bromine, or iodine), is characterized by reacting an benzamide compound with a halogenating agent in the presence of a palladium catalyst to obtain a substituted benzamide compound and then reacting the resultant substituted benzamide compound with an oxidizing agent after or without isolating the substituted benzamide compound.